

METHOD OF MAKING FLUOROCARBON
COATED BRAIDED HOSE ASSEMBLIES
ABSTRACT OF THE DISCLOSURE

5

A method of making a lightweight hose
assembly (10) of the type adapted for carrying
fuels and other corrosive fluids. The method
includes the steps of extruding an inner tubular
liner (12) of a fluorocarbon material. Glass
fibers are then braided about the exterior of the
liner (12) to form a braided layer (13). The inner
tubular liner (12) and braided layer (13) are then
passed through a reservoir containing a dispersion
including a fluorocarbon polymer material, carrying
agent, and surfactant therein. The surfactant
distributes the fluorocarbon material throughout
the braided layer (13) and about the inner liner
(12). Subsequently, the assembly (10) is heated to
remove the carrying agent and surfactant therefrom.
The assembly (10) is then sintered to cure the
fluorocarbon polymer material into a coating (14)
dispersed throughout the braided layer (13) and
about the inner liner (12).

10

15

20

25